

Fig. 1A (prior art)

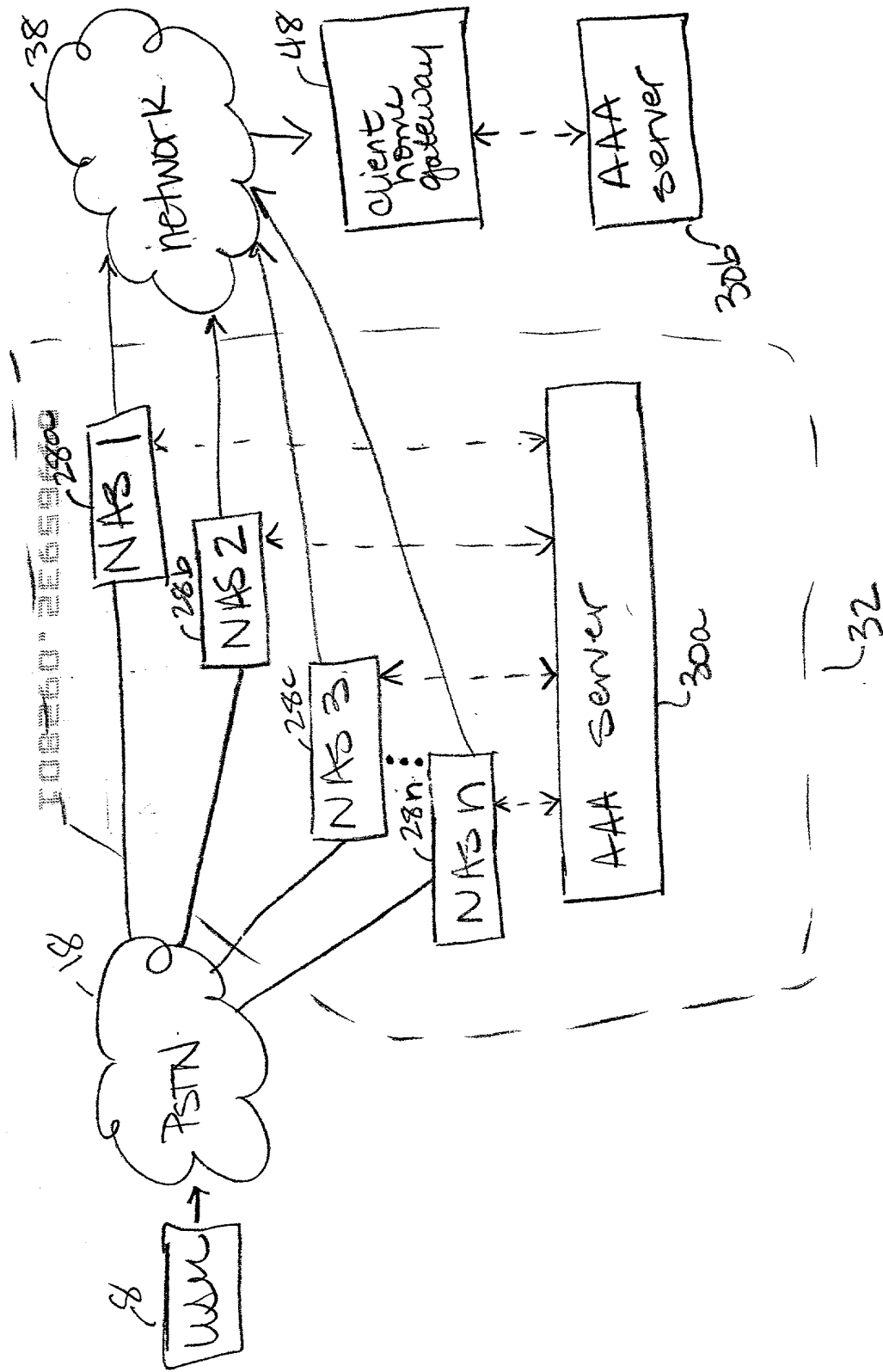


Fig. 1B (prior art)

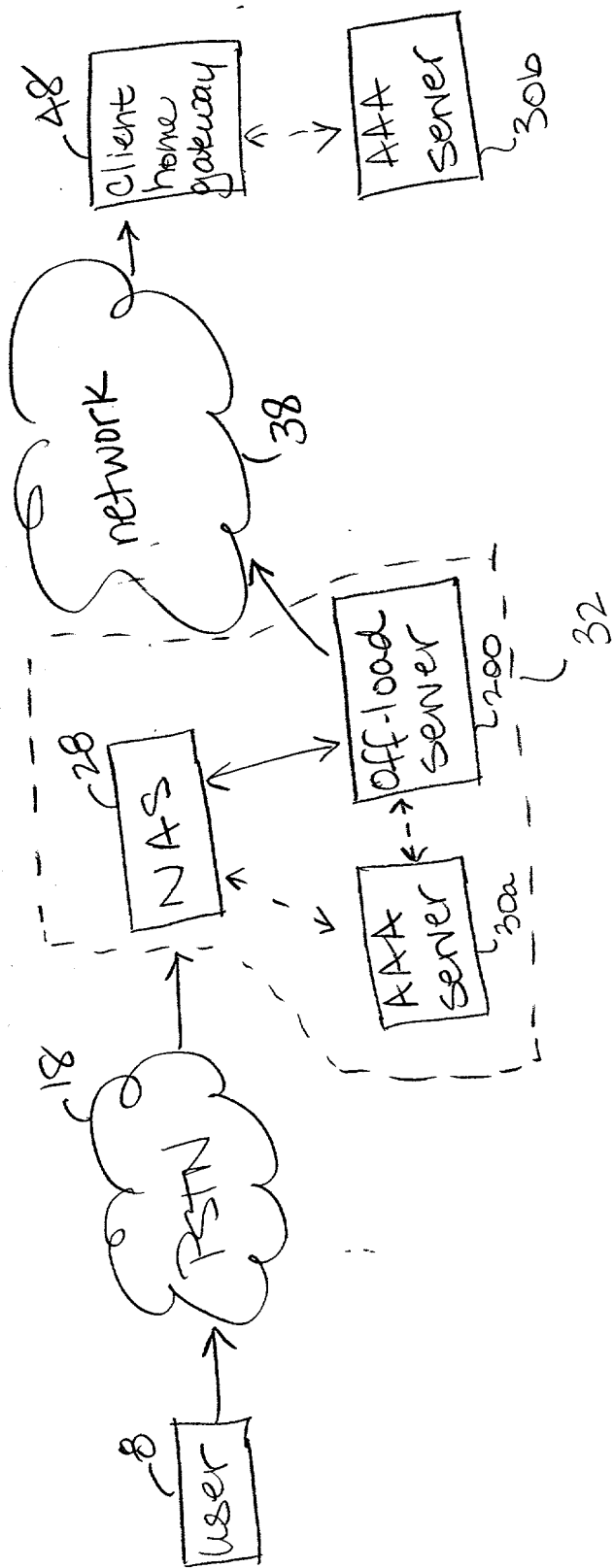


Fig. 2

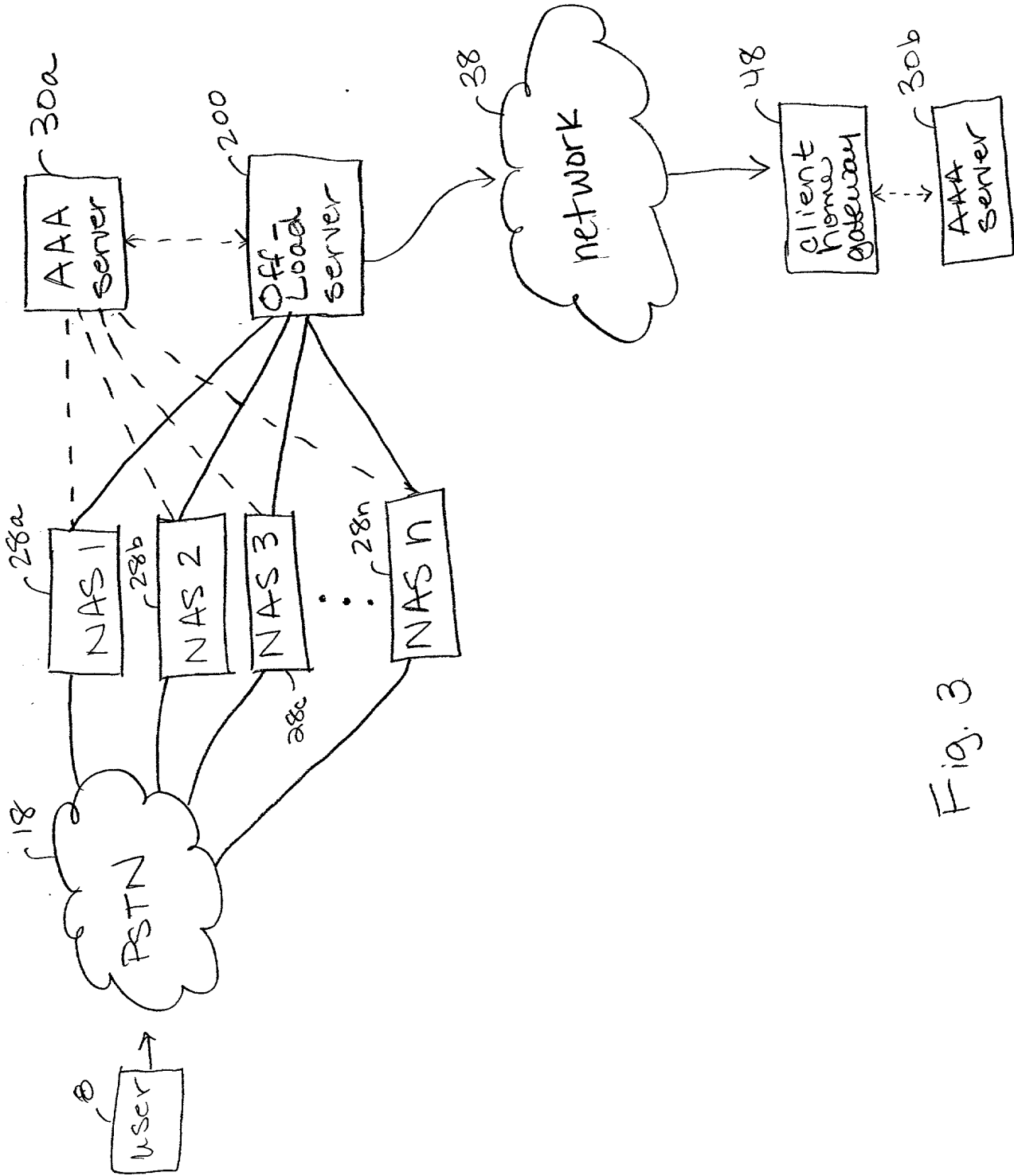


Fig. 3

## CALL FLOW

NAS 1

Radius  
AAA

OFF-LOAD SERVER

## ① Call Setup - Preauth.

NAS preauthenticates  
the DNIS (called digits)  
to validate called #

Local Session Id is  
chosen (incrementing).  
(i.e., 01, 02, 03, ...)

Since more than one NAS  
may be involved, add a  
unique identifier to head  
of session id so that no  
two NAS(s) ever use  
the same Session Id.

So send:

12345 00000001

12345 00000002

12345 00000003

② Server looks up  
DNIS (username)  
and accepts the call.

Server may keep  
reference to call via  
Session Id to count  
# of users on given  
DNIS

Accept

## ③ call Accepted

① connects the call to NAS,  
② layer 1 and layer 2 are  
established.

③ VPN service starts

L2X Session starts →

Fig. 4A

NAS 1

AAA Server

OFF-LOAD  
SERVER

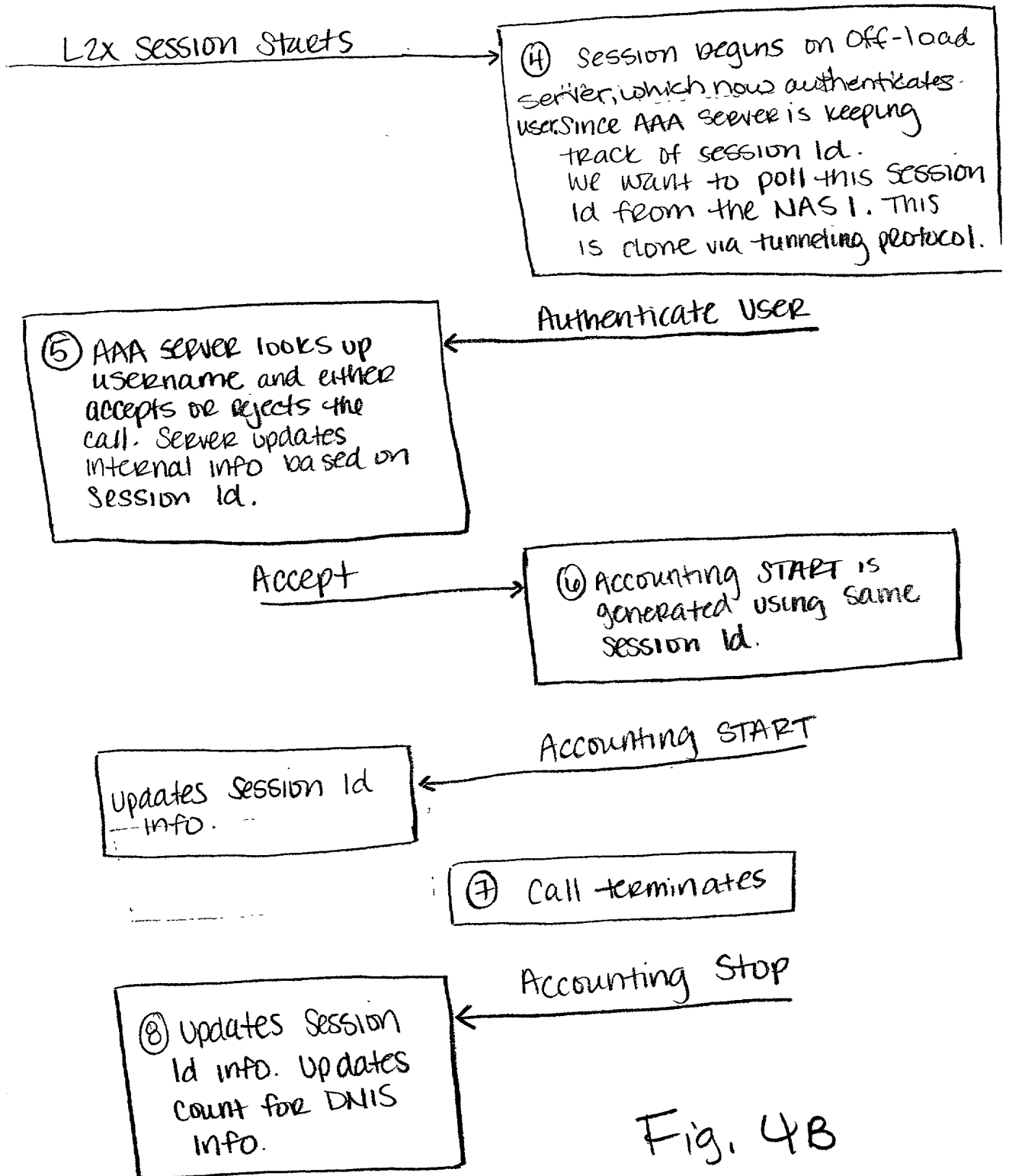


Fig. 4B

09965932.092801  
T08260" 2E659660